

## CLAIMS:

1. A multilayer product comprising, on a polymer substrate, a wear layer made of polymer of the ionomeric type, characterized in that it comprises, between the substrate and the wear layer, an intermediate layer of an olefinic polymer containing a metallocene.
2. The product according to claim 1, characterized in that the polymer substrate and the polymer of the ionomeric type comprise olefinic polymers.
3. The product according to claim 2, characterized in that the olefinic polymers of the substrate and of the intermediate layer comprise low-density polyethylene.
4. The product according to any one of claims 1 to 3, characterized in that the intermediate layer contains more than 5 parts by weight of metallocene per 100 parts by weight of the olefinic polymer.
5. The product according to claim 4, characterized in that the intermediate layer contains at least 15 parts by weight of metallocene per 100 parts by weight of the olefinic polymer.
6. The product according to any one of claims 1 to 5, characterized in that an additional layer of low-density ethylene polyolefin is placed between the substrate and the intermediate layer.
7. The product according to claim 6, characterized in that the additional layer comprises low-density polyethylene and, where appropriate, one or more additives chosen from the group consisting of fatty acids and silica.
8. The product according to any one of claims 1 to 7, characterized in that it comprises a surface layer made of polyurethane on the wear layer.
9. The process for manufacturing a multilayer product according to any one of claims 1 to 8, according to which a parison comprising a layer of an olefinic

polymer containing a metallocene and an outer layer made of polymer of the ionomeric type is extruded by blow-molding to form a bubble, the bubble collected from the blow-molding extrusion is crushed to obtain a doubled film, the doubled film is separated to obtain two separate multilayer films, and one of the films is fixed onto a substrate.

10. The process according to claim 9, characterized in that an outer layer made of polyolefin, preferably an outer layer made of low-density polyethylene, is extruded onto the intermediate layer of an olefinic polymer containing a metallocene.
11. The process according to claim 9 or 10, characterized in that the blow-molding of the parison is regulated such that the circumference of the bubble measures at least 8 m and its thickness is from 150 to 250  $\mu\text{m}$ .
12. The use of a product according to any one of claims 1 to 8 for the manufacture of floor or wall coverings.